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TABLE 1. Sales of Natural Gas Liquids and Liquefied Refinery Gases in the United States, 1989 and 1988 (Thousands of Gallons)

Category	1989	1988	VOLUME CHANGE	% CHANGE
Product Type:				
Ethane 1/.....	7,198,422	8,030,862	-832,440	-10.4
Propane 2/.....	15,343,608	14,315,784	1,027,824	7.2
Butane 3/.....	7,863,534	8,050,140	-186,606	-2.3
Pentanes Plus 4/.....	4,682,286	4,808,034	-125,748	-2.6
United States Total	35,087,850	35,204,820	-116,970	-0.3
Principal Uses:				
Residential & Commercial	6,771,552	6,148,583	622,969	10.1
Internal-Combustion Fuel	689,629	714,778	-25,149	-3.5
Chemical/Industrial:				
Chemical 5/6/.....	13,053,472	14,295,406	-1,241,934	-8.7
Industrial 7/.....	2,327,495	1,996,549	330,946	16.6
Gas Utility	283,358	335,946	-52,588	-15.7
Farm	1,556,210	1,431,176	125,034	8.7
Other 8/.....	1,570,955	997,882	573,073	57.4
Gasoline Blending	8,835,179	9,284,500	-449,321	-4.8
United States Total	35,087,850	35,204,820	-116,970	-0.3

1/ Includes ethylene.
2/ Includes propylene.
3/ Includes isobutane and butylene.
4/ Includes isopentane, natural gasoline and plant condensate. Excludes field condensate.
5/ Includes use in synthetic rubber manufacture.
6/ The reported data strongly suggest that this category includes not only ethane, propane, butane and pentanes plus consumed as chemical feedstocks, but some refinery olefins and chemical plant fuel usage.
7/ Includes refinery fuel use.
8/ Includes use as synthetic natural gas feedstock and use in secondary recovery projects.

Source: API, "Sales of Natural Gas Liquids and Liquefied Refinery Gases," Annual Survey.

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Table 8. Sales of Natural Gas Liquids and Liquefied Refinery Gases for Gasoline Blending by Product Type, PAD District and State, 1989 and 1988 (Thousands of Gallons)

District & State	Butane		Pentanes Plus		Total	
	1989	1988	1989	1988	1989	1988
PAD Dist. I						
New England						
Connecticut...	-	-	-	W	-	2,699
Maine.....	-	-	-	-	-	-
Massachusetts.	-	-	-	-	-	-
New Hampshire.	-	-	-	-	-	-
Rhode Island..	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Central Atlantic						
Delaware.....	W	W	-	-	6,318	7,365
Maryland/D.C..	-	-	-	-	-	-
New Jersey....	W	26,173	-	-	946	26,173
New York.....	-	W	-	-	-	399
Pennsylvania..	31,660	119,412	-	-	31,660	119,412
Lower Atlantic						
Florida.....	-	-	-	W	-	15,685
Georgia.....	-	W	-	-	-	18
North Carolina	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-
Virginia.....	-	-	-	-	-	-
West Virginia.	-	-	-	-	-	-
Total.....	38,924	153,367	-	18,384	38,924	171,751
PAD Dist. II						
Illinois.....	364,655	469,170	46,959	W	411,614	499,550
Indiana.....	52,914	80,700	W	W	111,556	134,246
Iowa.....	-	-	-	-	-	-
Kansas.....	349,730	514,242	443,546	541,673	793,276	1,055,915
Kentucky.....	W	W	W	8,869	40,793	79,103
Michigan.....	61,344	97,589	W	-	65,498	97,589
Minnesota.....	W	W	-	-	13,470	16,231
Missouri.....	W	W	-	-	221	622
Nebraska.....	W	W	W	W	118	395
North Dakota..	13,761	28,821	W	W	18,786	34,271
Ohio.....	117,416	76,442	-	-	117,416	76,442
Oklahoma.....	118,295	124,257	39,663	31,986	157,958	156,243
South Dakota..	-	-	-	-	-	-
Tennessee.....	-	W	-	-	-	149
Wisconsin.....	-	-	-	-	-	-
Total.....	1,124,329	1,478,658	606,377	672,098	1,730,706	2,150,756
PAD Dist. III						
Alabama.....	7,695	W	W	1,151	9,113	8,983
Arkansas.....	W	W	-	-	792	1,947
Louisiana.....	1,266,694	1,350,903	606,801	705,660	1,873,495	2,056,563
Mississippi...	45,317	W	W	W	365,505	254,151
New Mexico....	32,505	17,366	44,025	41,058	76,530	58,424
Texas.....	1,890,457	1,775,704	2,054,992	1,864,837	3,945,449	3,640,541
Total.....	3,243,460	3,214,032	3,027,424	2,806,577	6,270,884	6,020,609
PAD Dist. IV						
Colorado.....	7,303	6,637	W	3,924	7,791	10,561
Idaho.....	-	-	-	-	-	-
Montana.....	67,202	W	W	W	67,658	71,496
Utah.....	73,658	59,373	42,590	35,521	116,248	94,894
Wyoming.....	30,413	33,521	27,245	16,419	57,658	49,940
Total.....	178,576	168,800	70,779	58,091	249,355	226,891
PAD Dist. V						
Alaska.....	-	W	W	W	89	182
Arizona.....	15,316	13,641	-	-	15,316	13,641
California....	251,384	391,028	98,972	170,816	350,356	561,844
Hawaii.....	-	-	-	-	-	-
Nevada.....	W	W	-	-	1,844	1,180
Oregon.....	-	-	-	-	-	-
Washington....	177,705	137,646	-	-	177,705	137,646
Total.....	446,249	543,567	99,061	170,926	545,310	714,493
U.S. Total.....	5,031,538	5,558,424	3,803,641	3,726,076	8,835,179	9,284,500

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Table 2. Sales of Natural Gas Liquids and Liquefied Refinery Gases by Product Type, PAD District and State, 1989 and 1988 (Thousands of Gallons)

District & State	Ethane		Propane		Butane	
	1989	1988	1989	1988	1989	1988
PAD Dist. I						
New England						
Connecticut...	-	-	67,990	64,007	W	W
Maine.....	-	-	67,986	68,253	-	-
Massachusetts.	-	-	111,143	100,425	W	W
New Hampshire.	-	-	109,589	90,831	-	-
Rhode Island..	-	-	21,066	23,191	W	W
Vermont.....	-	-	66,693	50,353	-	-
Central Atlantic						
Delaware.....	-	-	42,197	39,764	W	W
Maryland/D.C..	-	-	93,905	72,872	W	W
New Jersey....	-	-	200,620	219,807	23,733	69,414
New York.....	-	-	245,670	226,584	W	W
Pennsylvania..	-	-	267,543	242,454	59,710	120,442
Lower Atlantic						
Florida.....	W	W	351,242	344,908	W	W
Georgia.....	-	-	326,016	290,461	W	W
North Carolina	-	-	413,599	340,757	W	W
South Carolina	-	-	161,926	152,569	W	W
Virginia.....	-	-	198,038	184,333	W	764
West Virginia.	W	-	52,810	44,375	-	-
Total.....	3,631	347	2,798,033	2,555,944	93,736	206,930
PAD Dist. II						
Illinois.....	167,739	1,267,364	434,612	587,673	401,398	508,107
Indiana.....	W	-	454,910	403,502	53,335	81,163
Iowa.....	-	-	429,199	423,040	W	W
Kansas.....	309,637	283,749	373,879	323,433	436,833	631,114
Kentucky.....	W	W	326,821	314,803	44,275	85,443
Michigan.....	W	W	807,408	772,611	129,328	157,563
Minnesota.....	W	-	344,880	342,259	W	W
Missouri.....	-	-	472,073	409,478	W	1,292
Nebraska.....	W	-	215,249	225,479	W	W
North Dakota..	W	-	103,522	92,014	13,761	28,821
Ohio.....	W	-	617,026	575,162	179,166	82,621
Oklahoma.....	W	2,115	202,011	194,734	119,712	172,224
South Dakota..	-	-	217,858	101,005	-	-
Tennessee.....	-	-	198,084	186,294	W	W
Wisconsin.....	-	-	409,272	373,918	W	W
Total.....	641,255	1,646,698	5,606,804	5,325,405	1,397,161	1,769,754
PAD Dist. III						
Alabama.....	W	W	259,123	203,424	7,730	7,868
Arkansas.....	W	-	196,926	163,173	1,049	2,443
Louisiana.....	829,041	977,100	617,416	543,635	1,538,007	1,766,051
Mississippi...	W	-	242,841	168,304	46,064	62,486
New Mexico....	W	W	105,372	67,244	41,127	17,704
Texas.....	5,494,680	5,365,424	4,149,696	4,028,372	3,784,597	3,297,522
Total.....	6,485,914	6,342,970	5,571,374	5,174,152	5,418,574	5,154,074
PAD Dist. IV						
Colorado.....	W	-	111,769	103,895	15,511	12,442
Idaho.....	-	-	33,932	30,680	-	W
Montana.....	-	-	64,624	52,898	67,648	69,274
Utah.....	W	-	47,553	43,366	80,509	67,310
Wyoming.....	W	W	61,444	69,974	34,857	43,585
Total.....	67,182	522	319,322	300,813	198,525	192,620
PAD Dist. V						
Alaska.....	-	-	11,615	11,930	-	W
Arizona.....	-	-	67,227	71,827	15,319	13,641
California....	W	W	722,009	662,903	522,552	565,232
Hawaii.....	-	-	W	W	-	-
Nevada.....	-	-	73,695	46,949	W	W
Oregon.....	-	-	67,427	66,367	-	W
Washington....	-	-	98,318	91,495	215,815	146,511
Total.....	440	40,325	1,048,075	959,470	755,538	726,762
U.S. Total.....	7,198,422	8,030,862	15,343,608	14,315,784	7,863,534	8,050,140

Pentanes Plus 1989	Pentanes Plus 1988	Total 1989	Total 1988	District & State
				PAD Dist. I
				New England
-	W	68,467	67,279	...Connecticut
-	-	67,986	68,253	.....Maine
W	W	111,391	101,017	.Massachusetts
-	-	109,589	90,831	.New Hampshire
-	-	21,631	23,842	..Rhode Island
-	-	66,693	50,353	.....Vermont
				Central Atlantic
-	-	48,515	50,564	.....Delaware
-	-	93,973	72,979	.Maryland/D.C.
W	W	226,305	290,798	....New Jersey
W	W	245,992	227,064	.....New York
W	W	330,078	364,568	..Pennsylvania
				Lower Atlantic
-	W	351,819	360,978	.....Florida
W	W	328,135	292,872	.....Georgia
W	W	414,242	341,994	North Carolina
W	W	162,281	152,863	South Carolina
W	-	198,256	185,097	.....Virginia
W	W	56,071	44,516	.West Virginia
6,024	22,647	2,901,424	2,785,868	.....Total
				PAD Dist. II
50,709	34,395	1,054,458	2,397,539	.....Illinois
59,107	54,073	580,708	538,738	.....Indiana
W	W	431,364	426,111	.....Iowa
592,805	746,139	1,713,154	1,984,435	.....Kansas
9,520	10,216	384,740	445,947	.....Kentucky
27,123	W	1,022,392	1,011,151	.....Michigan
W	W	365,027	360,134	.....Minnesota
W	W	473,720	411,175	.....Missouri
W	W	215,573	225,990	.....Nebraska
W	6,371	122,695	127,206	..North Dakota
W	W	797,592	659,111	.....Ohio
39,983	44,040	444,878	413,113	.....Oklahoma
-	-	217,858	101,005	..South Dakota
W	W	199,315	187,883	.....Tennessee
W	W	409,700	374,400	.....Wisconsin
787,954	922,081	8,433,174	9,663,938	.....Total
				PAD Dist. III
W	1,571	268,498	213,210	.....Alabama
W	W	205,420	166,116	.....Arkansas
786,470	986,162	3,770,934	4,272,948	.....Louisiana
320,608	194,357	609,523	425,147	...Mississippi
77,538	41,070	379,294	126,117	....New Mexico
2,530,944	2,402,823	15,959,917	15,094,141	.....Texas
3,717,724	3,626,483	21,193,586	20,297,679	.....Total
				PAD Dist. IV
W	3,924	160,249	120,261	.....Colorado
-	-	33,932	30,689	.....Idaho
W	2,282	132,728	124,454	.....Montana
42,940	35,803	171,176	146,479	.....Utah
27,245	19,342	158,073	133,423	.....Wyoming
71,129	61,351	656,158	555,306	.....Total
				PAD Dist. V
W	W	11,704	12,112	.....Alaska
W	W	82,574	85,500	.....Arizona
99,275	175,285	1,344,276	1,443,745	....California
-	-	7,784	7,999	.....Hawaii
W	W	75,588	48,179	.....Nevada
-	-	67,427	66,488	.....Oregon
W	-	314,155	238,006	....Washington
99,455	175,472	1,903,508	1,902,029	.....Total
4,682,286	4,808,034	35,087,850	35,204,820	.....U.S. Total